



PERFORMANCE GUIDE

Represents Typical Values Only

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DTW2692NB

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FSC® Topcoated DT No Added Bisphenols 640AT 1.2 PET Liner

Face Description

A **medium sensitivity** top-coated direct thermal paper *manufactured without added bisphenols* with exceptional environmental resistance to plasticizers and for use in standard speed thermal printers. Optimal wavelength range under 660nm. FSC Certified. Certificate Number: FSC- SCS-COC-007635

Test Property	Typical Values	Test Method
Basis Weight 17 x 22 sheets	19.3# Avg	TAPPI T410
Caliper, inches	0.00305 +/- 10%	TAPPI T411
Tear, grams	50 MD 50 CD	TAPPI-414
Tensile, lbs/in	35MD 17 CD	TAPPI-494
Brightness %	90% Avg.	TAPPI T-452
Image Color	Black	
Initial Activation Temp (O.D.=0.2)		186.8 ± 9°F (86 ± 5°C)
Effective Activation Temp (O.D.=1.0)		233.6 ± 9°F (112 ± 5°C)
Optimum Activation Temp (O.D.=1.62)		300.2 ± 9°F (149 ± 5°C)

Adhesive Description

An all temperature acrylic adhesive that performs well in normal to freezer temperature applications. 640AT exhibits open time on some substrates (please test) and develops a permanent bond to a wide variety of substrates.

Test Property	Typical Values	Test Method
Caliper, inches	0.0007 +/- 10%	
Min Application	-20°F (-29°C)	
Service range	-65 to 200°F (-54°C to 93°C)	
Average Peel Adhesion Stainless Steel 30 minutes applied/90° angle	1.8/lbs/inch	PSTC-101/Method F MACTac CTM54
Loop Tack g/1"	2.4 lbs/sq. inch	PSTC-16/Method A MACTac CTM25

Liner Description

1.2 mil clear polyester liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Test Property	Typical Values	Test Method
Caliper	0.00124 +/- 10%	TAPPI T411

Applications

Used for barcode and human readable labels in deli weigh scale, bakery label, or short term shipping label applications requiring more environmental resistance to plasticizers, heat, and heat and humidity and a cold temperature adhesive. Recommended for use in standard speed thermal printers.

Shelf Life

One year when stored at 72°F and 50% RH. For more about Direct Thermal Storage, see the Technical Bulletin for Direct Thermal Storage at www.mactac.com.

CALL **1-800-548-3456** for additional product information



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Note: The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, regulatory compliances, please contact your MACTac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the MACTac website for the latest, most up-to-date version at www.mactac.com

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